(11)

# BRUHAT BANGLORE MAHANAGARA PALIKE

## DASARAHALLI-ZONE

## T.DASARAHALLI-SUB-DIVISION.

***Name of Work:*** *Improvements and Construction of Cement Concrete road & RCC culverts at Coconut garden passages in Dasarahalli Ward No.15 (Under Emergency Fund)*

Estimate Cost :- 20.00 Lakhs

# BRUHAT BANGALORE MAHANAGARA PALIKE

## DASARAHALLI ZONE

*Name of Work: Improvements and Construction of Cement Concrete road & RCC culverts at Coconut garden passages in Dasarahalli Ward No.15 (Under Emergency Fund)*

| | | | Est. Cost Rs | | | | 20.00 | Lakhs | |
|---|---|---|---|---|---|---|---|---|---|
| Sl | Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
| 1 | KSRRB 300-2: Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3. in hard soil **Page No. 152/ Item No. 19.2/ PWD SR 2013-14** | Cum | | | | | | | |
| | Cement concrete Cross road | | 1 | 12.50 | 2.00 | 0.45 | 11.25 | | |
| | Near by Dharmastala hotel | | 1 | 21.00 | 2.00 | 0.30 | 12.60 | | |
| | | | 1 | 30.00 | 3.00 | 0.30 | 27.00 | | |
| | | | 1 | 70.00 | 3.00 | 0.30 | 63.00 | | |
| | RCC Culverts at Coconut garden area | | 6 | 7.00 | 2.00 | 1.50 | 126.00 | | |
| | Drain | | 1 | 12.50 | 1.00 | 0.90 | 11.25 | | |
| | | | 1 | 21.00 | 1.00 | 0.90 | 18.90 | | |
| | | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| | Coconut garden Main road Drain | | 1 | 33.00 | 1.50 | 1.50 | 74.25 | | |
| | Basic Rate | 84.00 | | | | | **371.25** | 90.72 | **33680.00** |
| | Area Weightage 8% | 6.72 | | | | | | | |
| | **Total** | **90.72** | | | | | | | |
| 2 | KSRRB M2900-1: Plain cement concrete M10 Mix with crushed stone aggregates **40m** nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14days complete as per specifications. MORTH Specification No. 408 **Page No. 262/ Item No. 34.1/ PWD SR 2013-14** | Cum | | | | | | | |
| | Cement concrete Cross road | | 1 | 12.50 | 2.00 | 0.15 | 3.75 | | |
| | Near by Dharmastala hotel | | 1 | 21.00 | 2.00 | 0.15 | 6.30 | | |
| | | | 1 | 30.00 | 3.00 | 0.15 | 13.50 | | |
| | | | 1 | 70.00 | 3.00 | 0.15 | 31.50 | | |
| | RCC Culverts at Coconut garden area | | 6 | 7.00 | 1.20 | 0.15 | 7.56 | | |
| | Drain | | 1 | 12.50 | 0.90 | 0.15 | 1.69 | | |
| | | | 1 | 21.00 | 0.90 | 0.15 | 2.84 | | |
| | | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| | Coconut garden Main road Drain | | 1 | 33.00 | 0.90 | 0.15 | 4.46 | | |
| | Basic Rate | 3701.00 | | | | | **75.64** | 3997.08 | **302329.00** |
| | Area Weightage @ 8% | 296.08 | | | | | | | |
| | **Total** | **3997.08** | | | | | | | |
| 3 | Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating curing and necessary steel or ply wood or plank centering and form work etc., including smooth finish in CM 1:3,with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges) Ready mixed cement concrete for beams, columns, staircase and roof with M-20(Cement-320 kg/cum) **Page No. 19/ Item No. 4.49.1/ PWD SR 2013-14** | Cum | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Cement concrete Cross road | | 1 | 12.50 | 2.00 | 0.15 | 3.75 | | |
| | Near by Dharmastala hotel | | 1 | 21.00 | 2.00 | 0.15 | 6.30 | | |
| | | | 1 | 30.00 | 2.00 | 0.15 | 9.00 | | |
| | | | 1 | 70.00 | 3.00 | 0.15 | 31.50 | | |
| | RCC Culverts at Coconut garden area | | 6 | 7.00 | 3.00 | 0.15 | 18.90 | | |
| | Drain | | 1 | 12.50 | 1.20 | 0.15 | 2.25 | | |
| | | | 1 | 21.00 | 0.90 | 0.15 | 2.84 | | |
| | | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| | Coconut garden Main road Drain | | 1 | 33.00 | 0.90 | 0.15 | 4.46 | | |
| | RCC culverts Side Wall | | 2x4 | 7.00 | 0.30 | 0.90 | 15.12 | | |
| | Coconut garden Main road Drain | | 1 | 33.00 | 0.15 | 0.90 | 4.46 | | |
| | Drain | | 1 | 12.50 | 0.15 | 0.60 | 1.13 | | |
| | | | 1 | 21.00 | 0.15 | 0.60 | 1.89 | | |
| | | | 1 | 30.00 | 0.15 | 0.60 | 2.70 | | |
| | RCC culvert Deck slab | | 6 | 7.00 | 1.50 | 0.30 | 18.90 | | |
| | Basic Rate | 6989.00 | | | | | **127.23** | 7408.34 | **942563.00** |
| | Area Weightage @ 6% | 419.34 | | | | | | | |
| | **Total** | **7408.34** | | | | | | | |
| 4 | KSRB 4.9.2: providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.46/ PWD SR 2013-14** | q | | kg/Cum | | | | | |
| | | | | Avg | | | | | |
| | | | 127.23 | | 50.00 | | **6361.50** | | |
| | Basic Rate | 6834.00 | | | | | **63.62** | 7244.04 | **460830.00** |
| | Area Weightage @ 6% | 410.04 | | | | | | | |
| | **Total** | **7244.04** | | | | | | | |
| 5 | KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 17/ Item No. 4.32/ PWD SR 2013-14** | Sqm | | | | | | | |
| | RCC culverts Side Wall | | 6x4 | 7.00 | | 0.90 | 151.20 | | |
| | Drain | | 2 | 12.50 | | 0.60 | 15.00 | | |
| | | | 2 | 21.00 | | 0.60 | 25.20 | | |
| | | | 2 | 30.00 | | 0.60 | 36.00 | | |
| | Coconut garden Main road Drain | | 2 | 33.00 | | 0.90 | 59.40 | | |
| | RCC culvert Deck slab | | 6 | 7.00 | 0.90 | | 37.80 | | |
| | Basic Rate | 312.00 | | | | | **324.60** | 330.72 | **107352.00** |
| | Area Weightage 6% | 18.72 | | | | | | | |
| | **Total** | **330.72** | | | | | | | |
| 6 | Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials. | Sqm | | | | | | | |
| | Drain | | 1 | 12.50 | 0.75 | | 9.38 | | |
| | | | 1 | 21.00 | 0.75 | | 15.75 | | |
| | | | 1 | 30.00 | 0.75 | | 22.50 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Coconut garden Main road Drain | | 1 | 33.00 | 0.90 | | 29.70 | | |
| | **Data Rate Approved by CE** | 1600 | | | | | **77.33** | 1600.00 | **123720.00** |
| 7 | Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150, Table PWD SR 2013-14** | Cum | | | | | | | |
| | | | Qty. Vide Item No. 1 | | | | **371.25** | | |
| | | | | Qty Limited | | | 371.25 | 78.24 | **29045.00** |
| | 4kms Basic Rate | 10.24 | | | | | | | |
| | Loading and Unloading Charges | 62.20 | | | | | | | |
| | | **72.44** | | | | | | | |
| | Area Weightage @ 8% | 5.80 | | | | | | | 1,35,343.00 |
| | **Total** | **78.24** | | | | | | | **481.00** |
| 8 | Miscellaneous and UnforessenCharges | | | | | | | **Total** | **2000000.00** |
| | | | | | | | | | |

**(Rupees Twenty Lakhs Only)**

**CERTIFICATE:-**

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2013-14
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

**Assistant Engineer**
**Ward-15**

**Assistant Executive Engineer**
**T. Dasarahalli Sub-Division**
**B.B.M.P**

**Executive Engineer**
**Dasarahalli Division**
**B.B.M.P. Bangalore.**

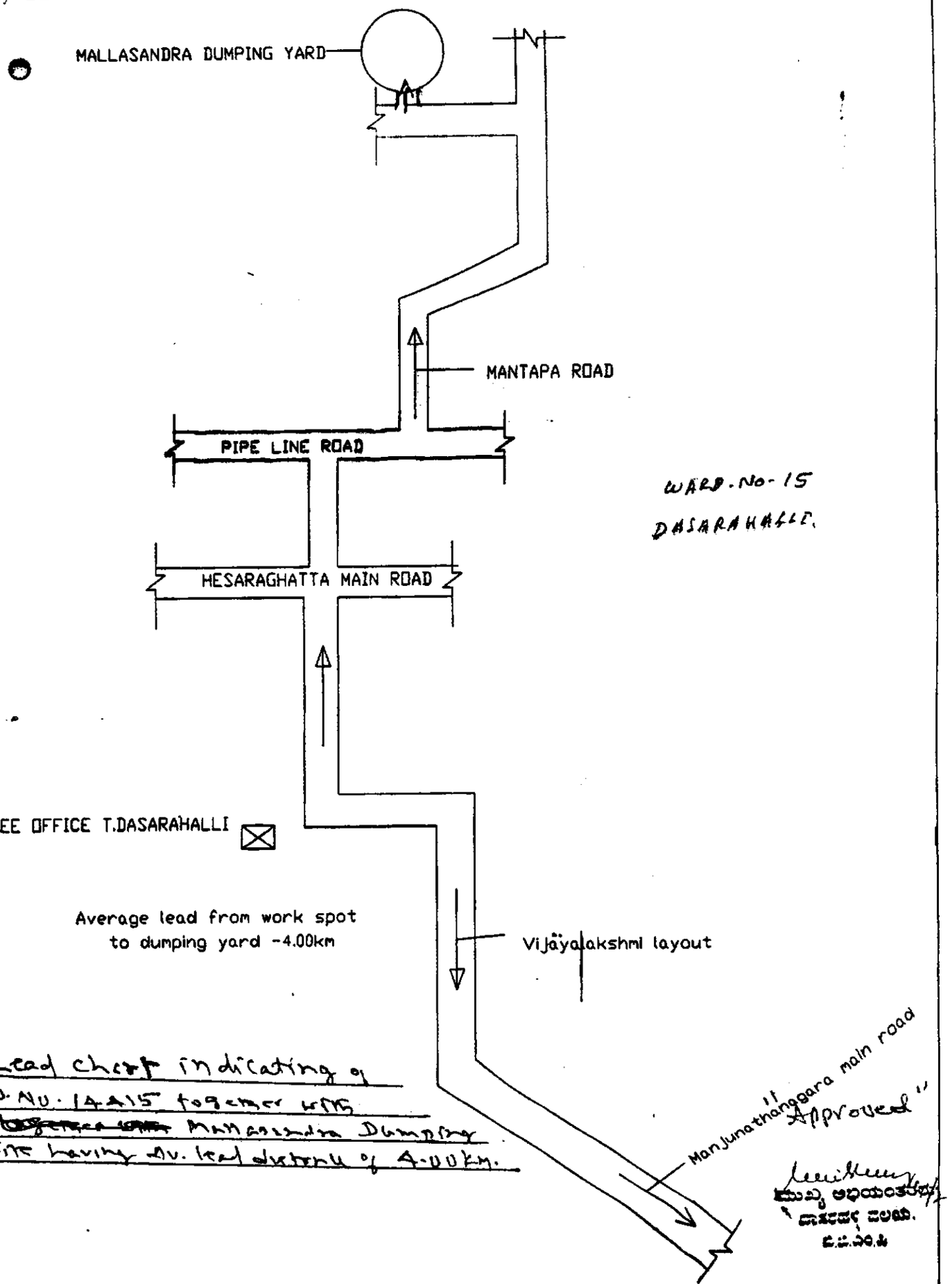
A/S
JC(DH) AS 28/13-14 11/02/14
20.00 Lakhs (Rupees Twenty Lakhs only)

Page No. 131
Sl. No. 728

No.EE/DD/TS/679/13-14 Dated: 15/2/2014
Rs. 20.00 Lakhs (Rupees Twenty Lakhs only)

(6)

# LEAD CHART FOR TRANSPORTING SILT FROM WORK SPOT TO DUMPING YARD




WARD. No- 15
DASARAHALLI.

Lead chart indicating of
W. NO. 14 & 15 together with
~~together with~~ Mallasandra Dumping
Site having Av. lead distance of 4.00Km.

"Approved"

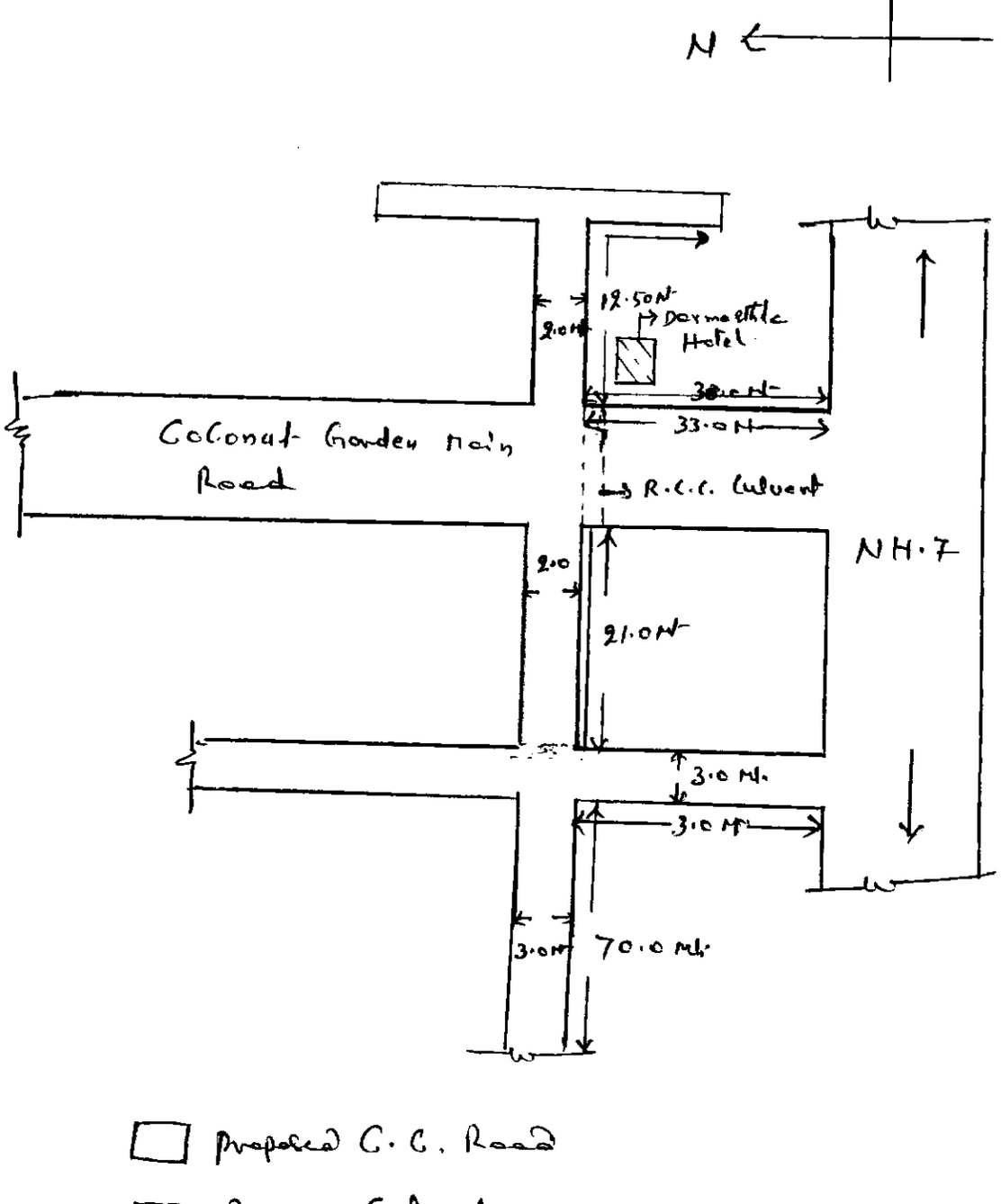
Assist. Engineer
Ward no.14 & 15.

Assist. Executive Engineer
T.Dasarahalli Sub Division
BBMP

Executive Engineer
Dasarahalli Division-1
BBMP

(7)

Name of work:- Improvements and Construction of Cart Compound Roads & R.C.C. Culverts at Coconut Gardens Passages in Dasarahalli ward no. 15.




☐ Proposed C.C. Road

☐ R.C.C. Culvert

Executive Engineer
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪೂರ್ವ ನಗರಪಾಲಿಕೆ ವಿಭಾಗದ ಎಇಇ
ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು-560 073